

Safety & Documentation

Hypernuclear ERR

11:50 AM

Safety & Documentation

(15'+10')

Safety documentation [Charge 7, 8]

Hazard analysis

Compliance status

Speaker: William Henry (Jefferson Lab)

7. What is the status of the specific documentation and procedures (COO, ESAD, RSAD, ERG, ePASes, operation manuals, etc.) to run the experiments?
8. Will the proposed experiment result in hazard conditions not currently evaluated in the SAD or require Credited Controls or bounding conditions not currently specified in the ASE?

We defer this issues to SCMB.

William Henry
June 4, 2026

Documentation Status: COO

Conduct of Operations for Hypernuclear Program in Hall C

E12-24-004, E12-24-011, E12-15-008, E12-24-013, E12-18-013, E12-24-003, E12-20-013A, E12-15-008A

May 26, 2026

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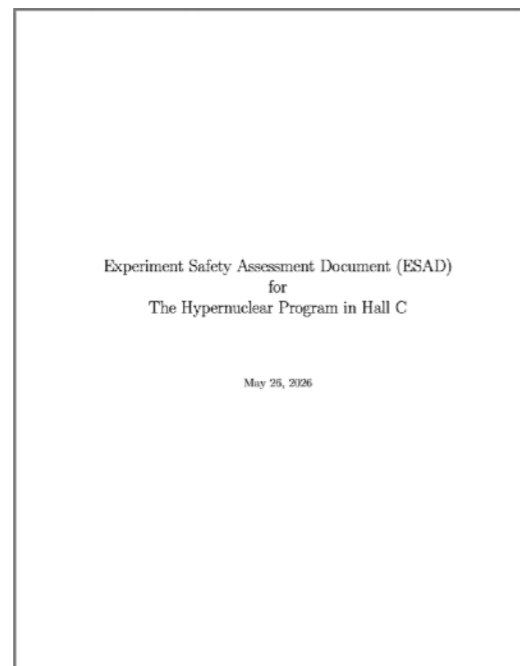
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- Conduct of Operations 90% complete. Remaining item is “Special Procedure” section
- Minimal changes needed from ndelta_vcs COO
- Document is on wiki [here](#)

Documentation Status: ESAD and operation manual

- ESAD, COO, and Operation manual are created with one latex GitHub repo. [link](#)
- The ESAD is a subset of the operation manual.
- First rough draft (Outline) of the operation manual ([link](#)) and ESAD ([link](#)) is complete
- Starting to transfer procedures and hazard analysis from test stands in the ESB to the manual



2026 Version: Jefferson Lab Hall C Hypernuclear Equipment Manual

Info Level 4



Hall C Staff and Users

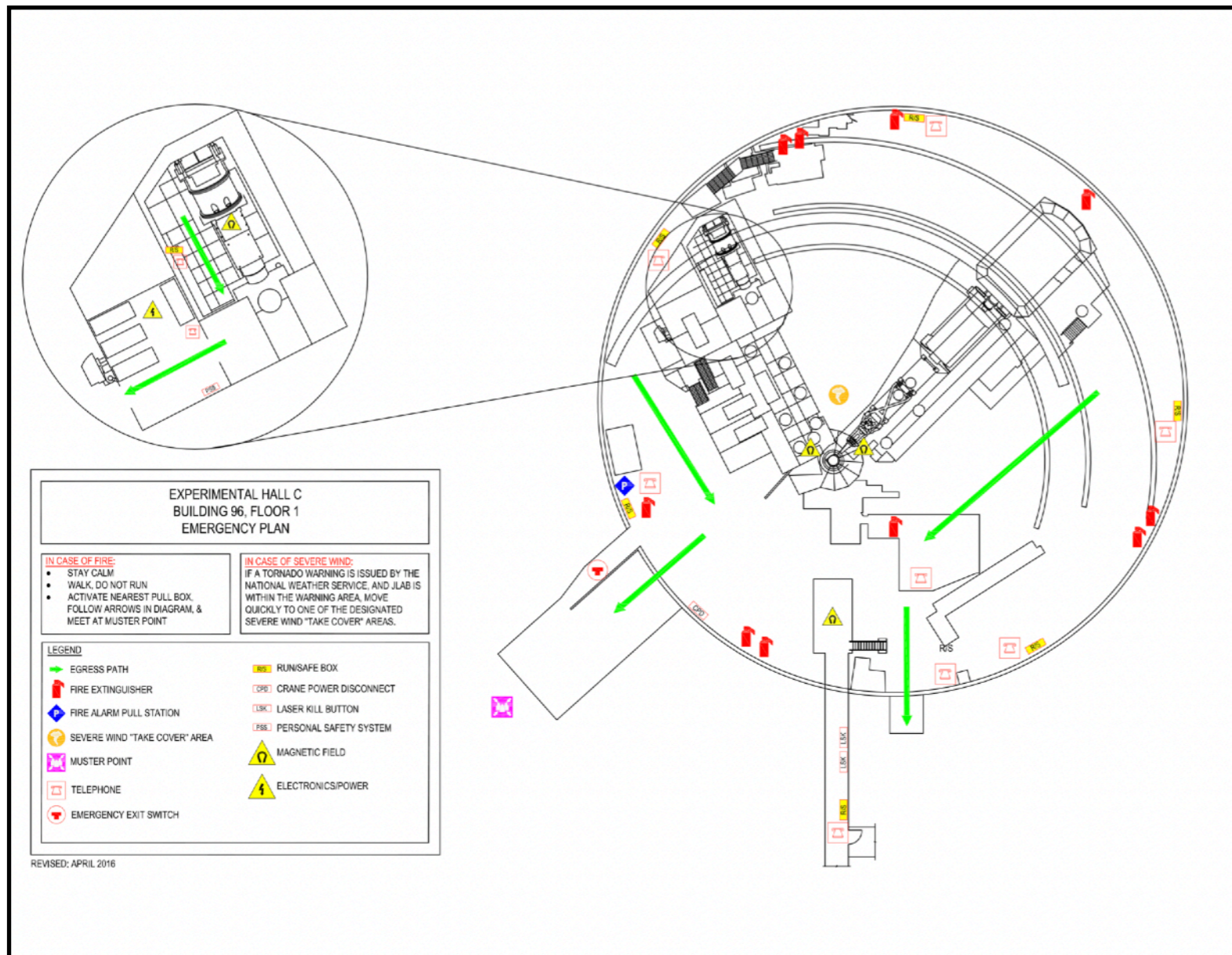
Editor: William Henry¹

May 26, 2026

Branch: hks, Commit: 37330ff

¹Thomas Jefferson National Accelerator Facility

Documentation Status: ERG












- Walk through training will need to be modified to include locations of new hazards
- Minimal changes needed to existing ERG document (update drawing on left)
- Started discussions with SSG regarding the necessity of new run safe boxes

Current EPAS



Current EPAS

TYPE	NUMBER PRIMARY PLANT ITEM	ICONS	START DATE	EXPIRY DATE	TITLE	LOCATION	WORK GROUP	RECIPIENT	STATE
PTW	JLab-PTW-9749 23 - EXPERIMENTAL STAGING	 	Feb-05-2026 11:41	Feb-03-2029 22:00	PMT checkout with Beta Source	Bldg 23 - Experimental Staging	HALLC	William Henry	On Issue
PTW	JLab-PTW-9716 23_1 - EXPERIMENTAL STAGING FLOOR 1	 	Feb-02-2026 11:12	Feb-24-2028 16:00	PMT repair with epoxy and optical grease	Bldg 23 - Experimental Staging	HALLC	William Henry	On Issue
PTW	JLab-PTW-7664 23 - EXPERIMENTAL STAGING		Jun-16-2025 08:53	Jun-08-2028 16:00	Hypernuclear PMT based detector commissionir	Bldg 23 - Experimental Staging	HALLC	William Henry	On Issue
PTW	JLab-PTW-7111 23 - EXPERIMENTAL STAGING		Apr-30-2025 14:13	Sep-01-2027 16:00	Hypernuclear Drift Chamber Commissionir	Bldg 23 - Experimental Staging	HALLC	William Henry	On Issue
PTW	JLab-PTW-9492 23 - EXPERIMENTAL STAGING	 	Jan-05-2026 16:24	Mar-10-2027 16:00	load Wire chamber into repair assembly	Bldg 23 - Experimental Staging	HALLC	Jerry Nines	On Issue
PTW	JLab-PTW-6883 23 - EXPERIMENTAL STAGING		Mar-31-2025 16:51	Apr-15-2027 16:00	Hypernuclear test set up in ESB	Bldg 96 - Experimental Hall C	HALLC	Jerry Nines	On Issue



Summary

7 Documentation and Procedures

7.1 Comments

- What is the status of the specific documentation and procedures (COO, ESAD, RSAD, ERG, OSPs, operation manuals, etc.) to run the experiments?

7.2 Recommendations

- A draft of each of these documents needs to be developed.
 - **Response:**
 - COO: Ready for collaboration to review. Need to decide if there are any “Special Procedures” to include.
 - RSAD: Need to finalize Tosca map and then provide targets, current, and beam times to Pavel
 - Operation Manual/ESAD: Outline is complete based on the Hall C standard equipment manual. Hazards analysis and EPASes are completed for operation of drift chambers, hodoscopes, and Cherenkovs in ESB. Flammable gas system will be the same as the existing SHMS/HMS drift chambers. High Voltage operation also the same. Magnet procedures and hazards can be cloned from SBS/BigBite and NPS corrector magnets, will also use HKS power supply test in Test Lab documentation as a starting point.
 - ERG: Walk through training still needs to be developed but minimal changes to existing document will be needed. Had discussions with SSG regarding new run safe boxes.
 - All documents as well as the previous hypernuclear COO and ESAD are available on the [wiki](#)

Back up

Old ESAD

Experiment Safety Assessment Document for the E05-115 experiment (HES/HKS)

August 19, 2009

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Old COO

Conduct of Operations for Hall C
Experiment E01-011 (HKS) & E02-017 (LIFETIME) -
May 20, 2005

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